



A National Resource Centered in Orange County, Florida

National Center for Simulation

A unique partnership of government, academia, and industry dedicated to maintaining national superiority in modeling, simulation, and training for the benefit of the military services, the space program, the commercial sector, entertainment, and education.

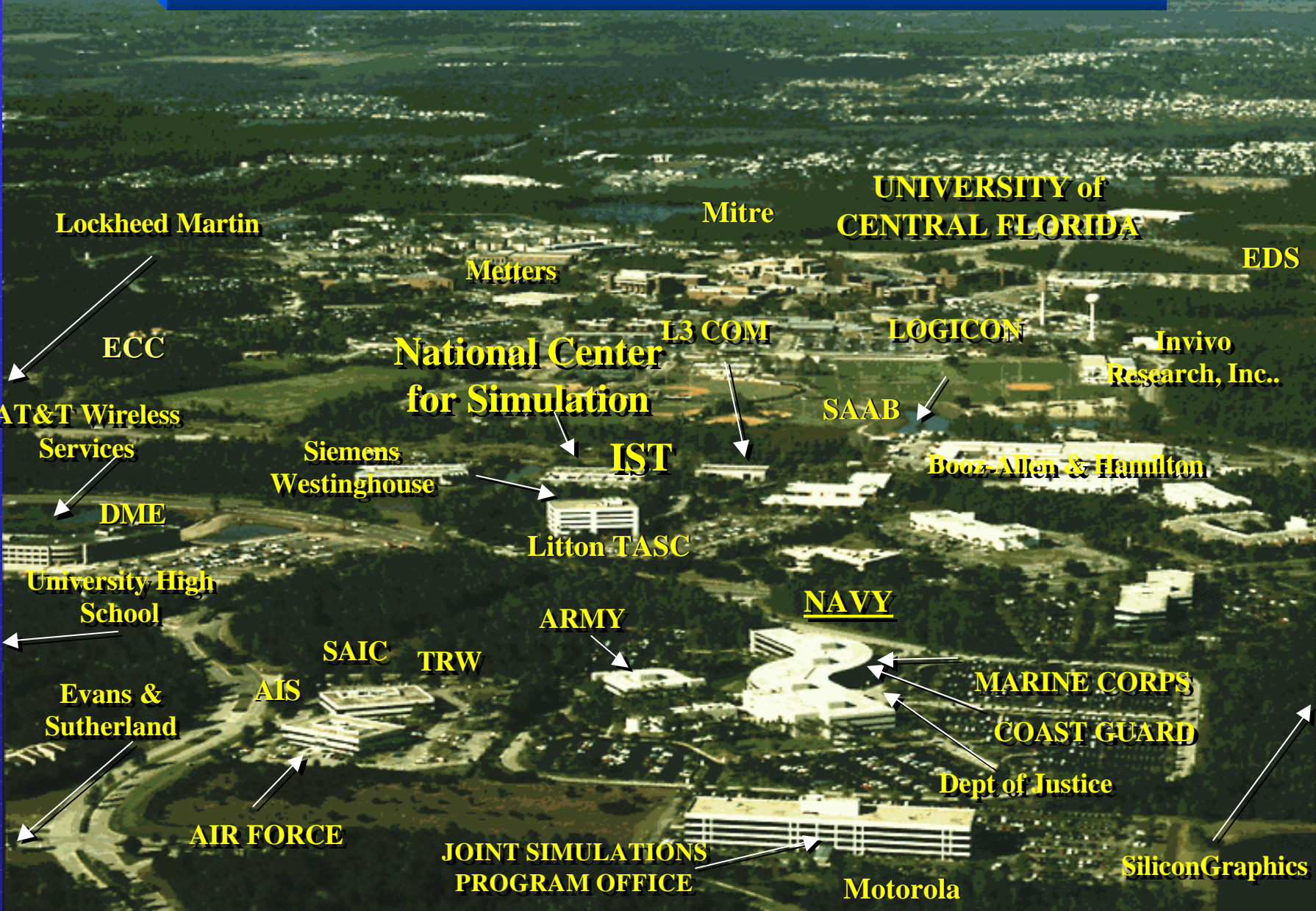


Our mission is to serve as the nation's primary facilitator for advancing simulation technologies.

Florida Simulation Center Members



Central Florida Research Park



NCS Partners

- **180+ Members of NCS, Including Industry, Academic Institutions, and Government Affiliates**
- **Orange County, City of Orlando, and Seminole County**
- **Enterprise Florida & the EDC**
- **Florida High Tech Corridor Council**
- **UCF (IST & CATSS)**
- **Kennedy Space Center**

NCS Strategic Objectives

- **A Simulation Community that is Strong and Vibrant – and Relatively Insulated from Economic Downturns**
- **An Expanded Range of Simulation Technology Applications**
- **A National Communications Forum and Information Sharing Network for Simulation Professionals, Practitioners, and Decision-Makers**

NCS Website



National Center for
Simulation

Simulationinformation.com



ABOUT US

Turning Weapons Into Plowshares

Just imagine it. Firefighters rescuing hundreds from a burning building without the slightest chance of an injury. Students whose instructors are world leaders. Physicians in rural communities with instant access to entire medical libraries. And theme park guests, whose day ends with a true top gun flight experience.

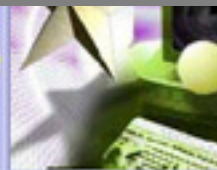
Because of a unique and innovative new business organization, these dreams are becoming a reality. The National Center For Simulation (NCS) was formed in early 1994. It is composed of governmental agencies, defense contractors and educational institutions. Their experience and applications are being converted to commercial uses as this nonprofit corporation bridges the gap between government developed technologies and potential new markets.



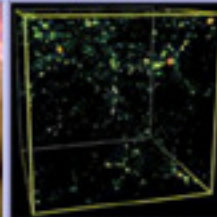
High Performance Computing
Modernization Program



Dinosaur Tech Brings Fantasy
World to Life



3-D adds new dimension
to e-business



Universes in a Computer
One Model Works Best

Plus Much More



Medical

Entertainment and Simulation

research project of Andrew Kelly, Jeffery Abney, Brian Lewis, and Doris Weiss

Engineers at the University of California at the US Olympic team to practice its jumps preparation for the real thing. The 800-pound wing technicians and a helical chassis that downed Olympic courses. The simulator is designed to actual size and motion and with heavy control to the responsiveness of the world's



The program compensates for each unique race and design of the specific tracks in cities such as Calgary, Alberta, Canada; Salt Lake City, Utah, USA; Lillehammer, Norway; and Albertville, France.



One reason the simulator plays such an important role in the team's Olympic preparation and performance is that it is costly and difficult for the team to physically get to the world's 16 Olympic bobsled tracks. "There are only two tracks in the Western Hemisphere, and when you are there, at best, you can make four to six runs per day, lasting one minute each," points out Brent Hubbard, professor of mechanical engineering at UC Davis and head of the ongoing design project. "There ultimately isn't a lot of practice. In addition, it costs about \$90,000 to \$100,000 to send the whole team to Europe for a week. So there's a real practical and economic incentive to supplement the race with the simulator."

Virtual Racing